

CLAIMS

1. Projection screen including a sheet having a projection face and provided with a plurality of passages adapted to allow emitted sound waves to pass through said sheet, characterized in that the disposition of the passages of said plurality is such that, if alignments thereof can be detected, at least the main alignments have a non-zero inclination relative to the vertical and horizontal edges of the screen.

2. Projection screen according to claim 1, characterized in that this plurality of passages has substantial geometry or orientation variations.

3. Video projection screen according to claim 1, characterized in that said sheet is perforated.

4. Video projection screen according to claim 1 or claim 2, characterized in that said sheet is woven.

5. Projection screen according to claim 4, characterized in that said sheet is woven with different numbers of warp and weft threads.

6. Video projection screen according to claim 4 or claim 5, characterized in that the spacings between the threads do not exceed 0.3 mm.

7. Video projection screen according to any one of claims 4 to 6, characterized in that the sheet has ribs on the projection face inclined relative to the general directions of the warp and weft threads.

8. Video projection screen according to any one of claims 4 to 7, characterized in that weaving utilizes threads coated with polyvinyl chloride.

9. Video projection screen according to claim 1 or claim 2, characterized in that said sheet is of knitted thread.

10. Video projection screen according to any one of claims 1 to 2 and 4 to 9, characterized in that the thread is a bouclé thread.

11. Video projection screen according to claim 10, characterized in that the thread is a polyester thread.

5 12. Video projection screen according to any one of claims 1 to 2 and 4 to 11, characterized in that no weft threads are apparent.

13. Video projection screen according to any one of claims 1 to 2 and 4 to 12, characterized in that said surface is a crepe surface.

10 14. Projection screen according to any one of claims 1 to 2 and 3 to 8 or 9 to 12, characterized in that the sheet is a woven sheet of the satin type.

15 15. Projection screen according to any one of claims 1 to 2 and 4 to 8 or 9 to 12, characterized in that the sheet is a woven sheet of the tweed type.

20 16. Video projection screen according to any one of the preceding claims, characterized in that it includes a second layer that is permeable to sound waves, substantially superposed on the first layer and placed behind said first layer relative to the light flux from the projector.

17. Video projection installation including a screen according to any one of claims 1 to 16, a sound source disposed behind the screen and a light source disposed in front of it.